

List Of Acronym Data (LOAD)

Acronyms have become an increasingly prevalent part of western culture. The use of acronyms in almost all occupations operates as both a communications shorthand, and a way of separating the novices from the knowledgeable. Many acronyms, if used in a document in a word processor, will be set upon by the spell check, like antibodies attacking a bacteria. The red squiggly underline quickly pointing out the invader. Sometimes an acronym is so powerful; it bursts out into general use in society. But usually, you will need a separate dictionary as an aid in comprehension for the uninitiated to most professions.

This list is an attempt to identify and explain those acronyms in particular use in Caltrans Local Assistance. Most have application in Caltrans generally, and some have legal tender in society at large. Many of these have originated somewhere outside of Caltrans and have been adopted.

If you are new to Caltrans, you need this list, and may need to know the ones shown in red as well as you do your own name, lest you be identified as a novice. This list is an individual effort and does not have any official approval from Caltrans at this time. That is both good and bad. It is bad, because in using it, you are relying on the author for accuracy (my liability is hereby limited). It is good because you may make a contribution to this list if you wish. If you find a nice juicy acronym in use in Caltrans Local Assistance that is not in this list (fat chance), send it to me and I will add it to the list and add your name next to it for credit (or blame). Also, if you disagree with anything in this list, let me know, and I will make corrections as appropriate.

It is written in word, and you may freely copy it to your own computer as you wish for easy reference (scan or copy from our web site). If you have been handed a copy at a Local Assistance Academy, and need to look something up, please do so quietly, both as a courtesy to the rest of the class, and in order to conceal as much as possible your degree of naiveté.

AA	Affirmative Action
AAEE	American Academy of Environmental Engineers
AA/EO	Affirmative Action and Equal Opportunity
AAMAS	Asphalt Aggregate Mixture Analysis System
AAP	Arterial Analysis Package
AAR	Agency Action Request
AARP	American Association of Retired Persons
AASHTO	American Assoc. of State Highway Officials
AADT	Average Annual Daily Traffic (two way)
AADTT	Average Annual Daily Truck Traffic
AB	Aggregate Base
AB69	Created RTPAs
AB140	1988, Deddeh Act, revised the STIP process
AB402	1977, Alquist/Ingalls Act, California Transportation Reform Act, set up the STIP process & CTC
AB 872	
AB1012	1999. Main intent to reduce large cash balance in State Highway Account by accelerating project delivery. Contains use it or lose it language whereby funds not obligated within three years of allocation lapse and are distributed to other projects.
AB1475	SR2S established in CA
AB2928	2000. Traffic Congestion Relief Act, \$5 billion. Also establishes exchange of Fed RSTP & CMAQ funds for State transportation funds.
AB3929	Transportation Enhancement Relief Act
ABA	Appropriated Budget Authority
ABAG	Association of Bay Area Governments
ABET	Accreditation Board for Engineering and Technology
ABM	Air Blown Mortar
ABME	Area Bridge Maintenance Engineer
ABS	Acroconitril-Butadiene-Styrene, Antilock Braking System
AC	Advance Construction
A&C	Abatement and Control

ACB	Asphalt Concrete Base	
ACE	Alamont Commuter Express; Rail Program – Stockton to San Jose	
ACHP	Advisory Council on Historic Preservation	A
ACI	American Concrete Institute	
ACOE	Army Corps of Engineers	A
ACP	Asphalt Concrete Pavement, Asbestos Cement Pipe	
ACPA	American Concrete Pavement Assoc.	
ACPPA	American Concrete Pressure Pipe Association	
ACSP	Automated Capital Spending Plan	
ACTA	Alameda County Transportation Authority	
ACTC	Tracking	
ACWP	Actual Cost of Work Performed	
ADA	Americans with Disabilities Act	
ADAAG	Americans with Disabilities Act Accessibility Guidelines	
ADIS	Advanced Driver Information System	
ADM	Arrow Diagramming Method	
ADMS	Archived Data Management Subsystem (ITS)	
ADR	Alternative Dispute Resolution	
AdSC	Administrative Service Center	A
ADT	Average Daily Traffic	
ADUS	Archived Data User Service (ITS)	
AE	Area Engineer	
A&E	Architectural & Engineering	
AED	Associated Equipment Distributors	
AEM	Acoustic Emission Monitoring	
AEP	Association of Environmental Professionals	
AFD	Architecture Flow Diagram	
AFO	Animal Feeding Operation	
AFT	American Farmland Trust	
AGC	Association of General Contractors	

AGT	Automated Guideway Transit
AHAR	Automatic Highway Advisory Radio
AHS	Automated Highway System, Average Highway Speed
AI	Artificial Intelligence, active ingredient
AIA	American Institute of Architects
AIAC	American Indian Advisory Council
AI/E	Architectural Inventory/Evaluation form
AID	Architecture Interconnect Diagram (ITS)
AIHA	American Industrial Health Association
AIMS	Agency Information Management Strategy (TMS)
AIP	American Institute of Planners
AIRS	Aerometric Information Retrieval System
ALGOL	Algebraic Oriented Language
ALoads	Automated Location and Design System
AL	Acceptable Level, regulatory Action Level (water qual.)
AM	Amplitude Modulation, Anti Meridian
AMBAG	Association of Monterey County Bay Area Governments
AMFA	Alternative Motor Fuels Act
AMIS	Automated Management Information System
AMPS	Advanced Mobile Phone System (ITS)
ANPRM	Advanced Notice of Proposed Rule Making
ANSI	American National Standards Institute
ANWR	Arctic National Wildlife Refuge (Alaska)
AO	Agency Object (3-digit code used in TRS, also in WBS)
AOA	Activity-on-Arrow
AON	Activity-on-Node
APE	Area of Potential Effect
APCD	Air Pollution Control District
APDE	Advance Project Development Element
APEC	Automated Procedures for Engineering Consultants

A

A

APEI	Area of Potential Environmental Impact	
APHA	American Public Health Association	
APM	Area Project Managers, Assistant Project Manager	
APS	Advance Planning Study	
APSEA	Asian-Pacific State Employees Association	A
APT	Accelerated Pavement Testing	
APTA	American Public Transit Association	
APTS	Advanced Public Transportation System (ITS)	
APWA	American Public Works Association	
AQCP	Air Quality Control Program	
AQCR	Air-Quality Control Region	
AQI	Air Quality Index	
AQMA	Air-Quality Maintenance Area	
AQMD	Air Quality Management District	
AQMP	Air Quality Management Plan	
ARA	Automatic Road Analyzer	
ARB	Air Resources Board	
AR's	Attainment Regulations	
AREA	American Railway Engineering Association	A
ARHM	Asphalt-Rubber Hot Mix	
ARHM-GG	Asphalt-Rubber Hot Mix - Gap Graded	
ARM	Air Resources Management	
ARTBA	American Road & Transportation Builders Association	
ARTS	Advanced Rural Transportation Systems	
AS	Aggregate Subbase	
ASAP	As-Soon-As-Possible	
ASC	Admin. Services Center Accounting Services Center Agricultural Services Center	
ASCE	American Society of Civil Engineers	
ASPEN	Automated Telephone Answering System	
ASCII	American Standard Code of Information Interchange	

ASF	Automotive Safety Foundation	
ASHRAE	American Society of Heating, Refrigerating, and Air-Conditioning Engineers	
ASI	Acceleration Severity Index	
ASME	American Society of Mechanical Engineers	A
ASR	Archaeological Survey Report; Evaluation of prehistoric archaeological resources in the project study area Alkali-silica reactivity	
ASRP	Aluminum Spiral Rib Pipe	
ASTM	American Society for Testing Materials	
ATA	American Trucking Association	
ATIS	Advanced Traveler Information Systems	
ATMS	Advanced Traffic Management Systems	
ATP	?	
ATPB	Asphalt Treated Permeable Base	
ATSAC	Automated Traffic Surveillance & Control System	
ATSD	Advanced Transportation System Development	
ATSSA	American Traffic Safety Services Association	A
ATV	All Terrain Vehicle	
AU	Animal Unit	
AVCO	Automatic Vehicle Control Systems	
AVCS	Advanced Vehicle Control Systems (ITS)	
AVI	Automated Vehicle Identification	
AVL	Authorized Vehicle Lane; Automated Vehicle Location (ITS)	
AVO	Automated Vehicle Operation (ITS)	
AVR	Average Vehicle Ridership	
AWRA	American Water Resources Association	
AWS	Alternate Work Schedule	
AWT	Average Weekday Traffic	
AWWA	American Water Works Association	A

BAC	Blood Alcohol Concentration,	Budget at Completion	
BACM	Best Available Control Measures		B
BACT	Best Available Control Technology		
BADT	Best Available Demonstrated Technology		
BAGR	Bridge Approach Guard Rail		
BALI	Basic Arterial Local Intersection		
BAMS	Bid Analysis and Management System		
BART	Bay Area Rapid Transit		
BAS	Bridge Approach Slab		
BASS	Black Advocates in State Service		
BASIC	Beginners All Purpose Symbolic Instruction Code		
BAT	Best Available Technology, Bureau of Apprenticeship and Training (DOL)		
BB	Beginning of Bridge		
BBS	Bulletin Board System,	Battery Backup System	
BC	Beginning of Curve		
BCO	Thin-Bonded Concrete Overlay		B
BCP	Budget Change Proposal		
BCR	Begin Curb Return		
BCT	Breakaway Cable Terminal		
BCWP	Budgeted Cost of Work Performed		
BCWS	Budgeted Cost of Work Scheduled		
BEA 1990	Budget Enforcement Act of 1990		
BEAR	Broad Emergency Assistance Radio (System)		
BEES	Basic Engineering Estimating System		
BER	Bridge Evaluation Report		
BFRs	Brominated Flame Retardants: widely used in plastics, foams, textiles, many electrical appliances, and building materials such as house walls, roofs and parking decks. Increasing amounts of BFR residues have been detected in humans and the environment.		
BHT	Business, Housing, and Transportation Agency		
BIA	Bureau of Indian Affairs; Building Industry Association		

BIOS	Basic Input/Operating System	
BIR	Bridge Inspection Report	
BIT	Binary Digit	B
BLA	Bicycle Lane Account program (State)	
BLM	Bureau of Land Management	
BMP	Best Management Practice	
BMS	Bridge Management System	
BNF	Backus- Naur Form (ITS)	
BNSF	Burlington Northern Santa Fe	
BO	Budget Obligations, Biological Opinion	
BOD	Biochemical Oxygen Demand, Biological Oxygen Demand	
BOD5	biochemical oxygen demand as measured in the standard 5-day test	
BSO	Building, Structures and Obstruction report (HPSR)	
BP	Before Present, Boiling Point	B
BPM	Beginning Post Mile. = zero at south or west County line	
BPR	Business Process Review (1997 study of project management in Caltrans)	
BPR	Bureau of Public Roads	
BRT	Bus Rapid Transit (ITS)	
BSR	Beginning of Slope Rounding	
BSW	Back of Sidewalk	
BTA	Bicycle Transportation Account	
BT&H	Business, Transportation and Housing Agency	
BTOS	Basic Traffic Operations System	
BTS	Bureau of Transportation Statistics	
BUN	Blood Urea Nitrogen	
BVC	Begin Vertical Curve	
BW	Barbed Wire	
BWF	Barbed Wire Fence	B

CAA	Federal Clean Air Act (1970), Cable Anchor Assembly	C
CAAA	Clean Air Act Amendment of 1990, (1977 & 1970)	
CA	Contract Authority, Certification Acceptance	
CAATS	California Alliance for Advanced Transportation Systems	
CAC	California Administrative Code, Citizens Advisory Committee	
CAD	Computer-Aided Drafting	
CADD	Computer-Aided Drafting and Design	
CAER	Community Awareness and Emergency Response	
CAFO	Concentrated Animal Feedlot; Consent Agreement/Final Order	
CAG	Citizens Advisory Group	
CAH	Controlled Access Highways	
CALACT	California Association for Coordinated Transportation	C
CASASFMRA	California Association of Farm Managers and Rural Assessors	
CALNET	Calif. Integrated Telecom. System (8-....)	
Cal/OSHA	California Office of Safety and Health Administration	
CAM	Caltrans Administrative Manual, Cooperative Agreement Manual	
CAMP	Continuous Air Monitoring Program	
CANDE	Culvert Analysis and Design	
CAO	Corrective Action Order	
CAP	Corrugated Aluminum Pipe, Certification Acceptance Plan Corrective Action Plan. Control Account Plan Cost Allocation Procedure. Criteria Air Pollutant	
CAPA	Corrugated Aluminum Pipe Arch	
CAPM	Capital Preventive Maintenance	
CAQP	Congestion and Air Quality Program	
CAR	Caltrans Action Request, Cooperative Agreement Report	
CARB	California Air Resources Board	
CAS	Construction area signs	
CASAC	Clean Air Scientific Advisory Committee	C
CASE	Computer Aided Software Engineering; Computer Aided Systems Engineering (ITS)	

CASP	California Aviation System Plan;	Corrugated Aluminized Steel Pipe
CAT EX	Categorical Exemption (State);	Categorical Exclusion (Federal)
CATIA	Clean Air and Transportation Improvement Act	
CaTNAP	California Traffic Noise Analysis Protocol (http://env.dot.ca.gov/env/noise/index.htm)	
CATV	Cable Television	
CB	Catch Basin, Citizens Band	
CBA	Cost Benefit Analysis	
CBD	Central Business District	
CBMC	Causes Beyond My Control (my coinage)	C
CBO	Congressional Budget Office	
CBR	California Bearing Ratio	
CBTP	Community Based Transportation Planning grants	
CC	Construction Complete	
CCA	California Coastal Act of 1976	
CCAA	Calif. Clean Air Act	
CCB	Change Control Board	
CCC	California Coastal Commission;	California Conservation Corps
CCI	Construction Cost Index	
CCIC	Central California Information Center	
CCMP	Comprehensive Conservation and Management Plan	
CCO	Contract Change Order	
CCR	California Code of Regulations	
CCS	California Coordinate System;	Construction Control Survey
CCSFCC	City-County-State-Federal Cooperation Council	
CCTV	Closed Circuit TV	
CCUA	?	
CD	Contract delegation (purchase order)	C
CDC	Centers for Disease Control	
CDF	California Department of Forestry	
CDBG	Community Development Block Grant	

CDFG	Calif. Dept of Fish & Game
CDH	California Division of Highways
CDL	California Drivers License
CDMA	Code Division Multiple Access (ITS)
CDPD	Cellular Digital Packet Data (ITS)
CD(PO)	Contract Delegation (Purchase Order)
CE	Categorical Exclusion (NEPA); Categorical Exemption, (CEQA) Construction Engineering
CEA	Career Executive Assignment
CEAC	County Engineers Association of California; Caltrans Employment Advisory Committee
CEBC	Conference
CEC	California Energy Commission; Caltrans Encroachment Committee
CELSOC	Consulting Engineers and Land Surveyors of California
CEMs	Continuous Emissions Monitors
CEP	Cumulative Exposure Project
CEQ	Council of Environmental Quality (Federal Agency)
CEQA	California Environmental Quality Act (1970)
CERCLA	Comprehensive Environmental Response, Compensation/Liab. Act
CERES	California Environmental Resources Evaluation System
CERF	Civil Engineering Research Foundation
CERL	Construction Engineering Research Laboratory
CESA	Calif. Endangered Species Act
CEU	Continuing Education Unit
CFC	Chlorofluorocarbons, Cost of Facilities Capital
CFDA	Catalogue of Federal Domestic Assistance
CFM	Chlorofluoromethanes
CFR	Code of Federal Regulations

C

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CFRA	The California Family Rights Act of 1992 is a State law administered and enforced by the California Department of Fair Employment and Housing. CFRA was revised to conform to the Family Medical Leave Act of 1993.
CFRP	Carbon-Fiber-Reinforced-Plastic
CFS	Cubic feet per second
CFU	Colony Forming Unit (water qual)
CH ₄	Methane
CHIN	California Highway Information Network
CHP	Calif. Highway Patrol
C&G	Curb and Gutter
CGP	Construction General Permit (NPDES)
CHIN	California Highway Information Network: 1-800-427-7623, 999 or www.dot.ca.gov/hq/roadinfo , #999
CHRIS	California Historical Resources Information System
CIA	Community Impact Assessment; Evaluates the impacts that a project may have on community, incl, neighborhoods and farmland.
CIC	Critical Intersection Control
CIDH	Cast-in-Drilled-Hole
CIMAC	Caltrans Improves Mobility Across California
CIP	Capital Improvement Program – 7-year program to maintain or improve traffic LOS & transit performance and to mitigate impacts identified by the CMP; Cast-in-Place; cast iron pipe
CIPCP	cast-in-place concrete pipe
CIR	Council on Intergovernmental Relations
CIT	California Institute of Technology
CITAB	California Information Technology Advisory Board
CIU	Controller Interface Unit
CIWMB	California Integrated Waste Management Board
C&L	Certification and Licensing
CLAS	California Leave Accounting System

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CLUP	Comprehensive Land Use Plan	
CMA	Congestion Management Agencies	
CMAQ	Congestion Mitigation and Air Quality	
CMB	Concrete Median Barrier	
CMC	Construction Metrication Council	
CMP	Congestion Management Program, Plan; Corridor Management Plan (Scenic Highways); Corrugated Metal Pipe	
CMS	Congestion Management System, Changeable Message Signs	
CMSA	Consolidated Metropolitan Statistical Area	
CNDDB	California Natural Diversity Data Base	C
CNG	Compressed Natural Gas	
CNLM	Center for Natural Lands Management.	
CNPS	California Native Plant Society (data base)	
CO	Carbon Monoxide	
COB	Close of Business	
COBOL	Common Business Oriented Language	
COBRA	Consolidated Omnibus Reconciliation Act	
COCO	Contractor-Owned/ Contractor-Operated	
COD	Chemical Oxygen Demand	
CODP	Career Opportunity Development Program	
COE	Category of Expenditure; U.S. Army Corps of Engineers	
COFPAES	Council on the Federal Procurement of Architectural and Engineering Services	
COG	Council of Governments	
COH	Coefficient Of Haze	
COGO	coordinate geometry	
Congestion	Reduced speeds less than 35 MPH for longer than 15 min.	
CORBA	Common Object Request Broker Architecture (ITS)	
COS	Capital Outlay Support	
COTR	Contracting Officer Technical Representative (ITS)	C
COZEPP	COstruction Zone Enhanced Enforcement Patrol	

CP	Capital Projects	
CPC	Consolidated Planning Committee (STANCOG)	
CPF	Combined Pay Factor	
CPFF	Cost-Plus-Fixed-Fee	
CPH	California Permit Handbook	
CPI	Cost Performance Index	
CPIF	Cost-Plus-Incentive-Fee	
CPM	Critical Path Method	
CPMC	Capital Projects Management Council	
CPR	Cardio-Pulmonary Resuscitation	C
CPRC	California Public Resources Code	
CPSD	?	
CPU	Central Processing Unit	
CPUC	Calif. Public Utilities Commission	
CRAC	Cold Recycled AC	
CRAP	Construction Records and Procedures	
CRB	Contract Review Board	
CRCP	Continuously Reinforced Concrete Pavement	
CRDA	Cooperative Research and Development Agreement	
CRHP	California Register of Historic Places	
CRIP	Cost Reduction Incentive Proposal	
CRLF	California Red Legged Frog	
CRP	Conservation Reserve Program; Combined Road Plans	
CRSI	Concrete Reinforcing Steel Institute	
CRT	Cathode Ray Tube	
CRV	California Redemption Value	
CSAC	California State Association of Counties; California Supervisors Association of California	C
CSD	Context Sensitive Design	
CSEA	California State Employees Association	

CSHC	Calif. Streets & Highways Code	
CSI	Common Sense Initiative; Compliance Sampling Inspection	
CSIP	Corridor Safety Improvement Program	
CSO	Combined Sewer Overflow	
CSP	Corrugated Steel Pipe; Communication Service Provider (ITS)	
CSPA	Corrugated Steel Pipe Arch	
CSRC	California Special Reference Center (global positioning technologies)	
CSS	Context Sensitive Solutions	
CSTI	California Specialized Training Institute	
CSUS	California State University, Stanislaus; Sac.	C
CSWC	Construction Storm Water Coordinator	
CT	Caltrans Census Tract	
CTAA	Community Transportation Association of America	
CTAP	Cooperative Training Assistance Program (Fed)	
CTB	Cement Treated Base	
CTC	California Transportation Commission; Nine appointed members	
CTE	Center For Transportation And The Environment	
CTO	Compensatory Time Off	
CTP	California Transportation Plan	
CTIFS	California Transportation Infrastructure Funding System	
CTIPS	California Transportation Improvement System. A computer database used by CT & MPOs to input & track Fed. Funded transportation projects. See LPAMS	
CTIS	California Transportation Investment Strategy	
CTPB	Cement Treated Permeable Base	
CTR	California Toxics Rule	
C-TRIS	California Transportation Research Information System (UCB)	
CTS	Commuter Transportation Services	
CV	Cost Variance	
CVAS	Commercial Vehicle Administration Subsystem (ITS)	C
CVCS	Commercial Vehicle Check Subsystem (ITS)	

CVHAS	Cooperative Vehicle-Highway Automation Systems	
CVISN	Commercial Vehicle Information Systems and Networks (ITS)	
CVO	Commercial Vehicle Operations (ITS)	
CVS	Commercial Vehicle Subsystem (ITS)	
CWA	Clean Water Act	
CWD	Corridor Wide Display System (ITS)	
CWNS	Clean Water Needs Survey	
CY	Calendar Year	
CYA	Cover Your Assets (not CT);	California Youth Authority
CZMA	Coastal Zone Management Act	C
CZARA	Coastal Zone Act Reauthorization Amendments	
DAB	Digital Audio Broadcast (ITS)	D
DAF	Damage Assessment Form	
DAMP	Drainage Analysis & Modeling Program	
DAR	Defense Access Roads	
DARTS	Dynamic Arterial Responsive Traffic Signal System	
DAT.COM	Director's Advisory Team for Communication	
DBA	Doing Business As, Decibels, "A" Scale	
DBE	Disadvantaged Business Enterprise	
DBELO	Disadvantaged Business Enterprise Liaison Officer	
DBMS	Data Base Management System	
D/C	Demand Capacity ratio	
DCP	Dynamic Cone Penetrometer	
DCU	Discrimination Complaint Unit	
DD	District Director; Data Dictionary (ITS)	
DDC	District Division Chief	
DDD	Deputy District Director	
DDE	Data Dictionary Element (ITS)	D
DDT	DichloroDiphenylTrichloroethane	

DEB	District Environmental Branch
DED	Draft Environmental Document
DEIR	Draft Environmental Impact Report (CEQA)
DEIS	Draft Environmental Impact Statement (NEPA)
DEN	Data Exchange Network (ITS)
DES	Division of Engineering Services Diethylstilbesterol
DF	Douglas Fir
DFD	Data Flow Diagram (ITS)
DfE	Design for the Environment
DFG	Dept of Fish and Game (Cal)
DGAC	Dense Graded Asphalt Concrete
DGAC(R)	Dense Graded Asphalt Concrete (Rubberized)
DGPS	Differential Global Positioning System (ITS)
DGS	Department of General Services
DHS	Department of Health Services
DHHS	Department of Health and Human Services (Feds)
DHV	Two way Design Hourly Volume
DI	Drainage Inlet
DIB	Design Information Bulletin
DIB 82	Pedestrian Accessibility Guidelines for Highway Projects
DID	Draft Environmental Document
DIP	Diamond Interchange Program
DLAE	District Local Assistance Engineer
DLR	Detection Limit for Reporting (water qual.)
DMBB	Double metal beam barrier
DMR	Discharge Monitoring Report
DMS	Dynamic Message Sign (ITS)
DMT	Division of Mass Transportation
DMV	Department of Motor Vehicles
DNA	deoxyribonucleic acid

D

D

DND	Draft Negative Declaration
DOA	Division of Aeronautics; Division of Accounting
DOC	Department of Commerce
DOD	Department Of Defense
DOE	Department Of Energy
DOF	Department of Finance
DLA	Division of Local Assistance (formerly OLP)
DOL FOH	Department of Labor Field Operations Handbook (Feds)
DOS	Division of Structures, Disk Operating System
DOT	Dept. of Transportation
DOTP	Division of Transportation Planning
DPA	Dept. of Personnel Administration
DPI	Dots per Inch
DRI	Division of Research & Innovation
DRIM	Draft Relocation Impact Memo
DRIS	Draft Relocation Assistance Statement
DPR	Department of Parks and Recreation (The Office of Historic Preservation which administers Section 106 of the Historic Preservation Act is part of State Parks and Recreation. Hence, the DPR forms for Section 106.)
DRB	Dispute Review Board
DRI	Division of Research and Innovation
DRIS	Draft Relocation Impact Study/Statement
DSA	Division of the State Architect, Disturbed Soil Area
DSB	Donor State Bonus funds
DSC	Division of Structure Construction
DSI	Detailed Site Investigation
DSMP	District System Management Plan
DSRC	Dedicated Short Range Communications (ITS)
DST	Daylight Savings Time
DSWC	District Storm Water Coordinator
DTA	Dynamic Traffic Assignment (ITS)

D

DTAC	Departmental Transportation Advisory Committee	D
DTBB	double thrie beam barrier	
DTIM	Direct Travel Impact Model	
DTM	Digital Terrain Modeling	
DTR	Director's Tracking Report (tracks consultant services contracts)	
DVAC	District Value Analysis Coordinator	
DVBE	Disadvantaged Veteran Business Enterprise	
DWEL	Drinking Water Equivalent Level	
DWNS	Drinking Water Needs Survey	
DWR	Dept. of Water Resources	
DWS	Drinking Water Standard	D
EA	Expenditure Authorization; Endangerment Assessment; Enforcement Agreement; Environmental Action; Environmental Assessment;.Environmental Audit	
EAC	Estimate at Completion	E
EAP	Employee Assistance Program; Environmental Action Plan	
EAR	Employee Action Report	
EBL	Eligible Bridge List	
EC	Environmental Coordinator, End Horizontal Curve, End Curve	
ECPA	Electronic Communications Privacy Act (ITS)	
ECR	Engineering Cost Reporting system, End of Curb Return	
ED	Environmental Document	
EDA	Employee Development Appraisal Environmental Document Approved	
EDAPTS	Efficient Development of Advanced Public Transportation Systems	
EDI	Electronic Data Interchange (ITS)	
EDM	Electronic Distance Measuring	
EDP	Electronic Data Processing; Early Deployment Plan (ITS)	
EDW	effluent-dominated water	
EEG	electroencephalogram	
EEM	Environmental Enhancement & Mitigation program (State)	E

EEO	Equal Employment Opportunity	
EEOC	Equal Employment Opportunity Commission	
EEZ	Exclusive Economic Zone, 200 miles beyond coast, Magnusen-Stevens Act	
EF	Early Finish	
EFH	Essential Fish Habitat	
EFT	Electronic Fund Transfer	
EIR	Environmental Impact Report (CEQA)	
EIS	Environmental Impact Statement (NEPA)	
EIT	Engineer-in-Training	
EJ	Environmental Justice	
EKG	electrocardiogram	E
EMC	Event Mean Concentration (Storm Runoff); Emergency Management Center (ITS)	
EMS	Extinguishable Message Signs	
EMMS	Emissions Management Subsystem (ITS)	
EO	Equal Opportunity, Executive Order	
EOC	Emergency Operations Center	
EOG	Education And Outreach Group	
EOS	Equivalent Opening Size (Geotextile-Fabric); Edge of Shoulder	
E&P	Environmental & Permit	
EPA	Environmental Protection Agency	
EPCRA	Emergency Planning and Community Right-to-Know Act	
EPL	Excluded Partial List (DBE)	
EPM	Ending Post Mile	
EPROM	Erasable Programmable Read-Only Memory	
ER	Emergency Relief (Fed)	
ERC	Emergency Resource Center	
ERISA	Employee Retirement Income Security Act	E
ERNS	Emergency Response Notification System	
ES	Early Start	
ESA	Endangered Species Act; Environmentally Sensitive Area	

ESAL	Equivalent Single Axle Load, 80 kN	
ESC	Engineering Services Center	
ESMR	Enhanced Specialized Mobile Radio (ITS)	
ESP	Enhanced Services Program	
ESR	End of Slope Rounding	
ESU	Evolutionary Significant Unit (fall, winter & spring runs of salmon)	
ET	Earliest Time of Completion	E
ETAC	?	
ETC	Estimate to Complete, Electronic Toll Collection (ITS)	
ETBE	Ethyl Tertiary Butyl Ether	
ETS	Emergency Telephone Services (ITS)	
ETTM	Electronic Toll Collection and Traffic Management	
ETW	Edge of Traveled Way	
EV	Earned Value	
EVC	End Vertical Curve	
EWRI	Environmental & Water Resources Institute (of ASCE)	
EXPEAR	Expert System Pavement Evaluation and Rehabilitation	
E-76	Authorization to Proceed Summary Form	E
FAA	Federal Aviation Administration	F
FACTS	Flexible Advanced Computer Traffic Signal System	
FADS	Federal Aid Data System: System which DLAEs & HQ enter project information and which links CT to FHWA's FMIS system. Does not link to LP2000.	
FAE	Federal-Aid Eligibility Code: This single-digit code is a prefix used with the three-digit Agency Object Code to form the Caltrans four-digit Object (FAE 6, 7, or 8) and Activity (FAE 1 or 2) Codes. The FAE denotes whether or not the Object/Activity Code is eligible for federal reimbursement. FAE 1 or 6 denotes eligibility for federal reimbursement, FAE 2 or 7 denotes non-eligibility for reimbursement, and FAE 8 denotes undetermined eligibility.	
FAHP	Federal Aid Highway Program	

FAI	Federal Aid Interstate
FAP	Federal Aid Primary
FAPG	Federal Aid Policy Guide
FAQ	Frequently Asked Questions
FAR	Federal Acquisition Regulations
FARA	Federal Acquisition Reform Act
FARES	First American Real Estate Solutions
FARS	Fatal Accident Reporting System (ITS)
FAS	Federal Aid Secondary Funding
FAU	Federal Aide Urban funding
F&C	Frame & Cover
F&G	Frame & Grate
FCAA	Federal Clean Air Act of 1990
FCWA	Federal Clean Water Act
FCR	Flexible Congestion Relief program (State, discontinued)
FE	Fund Estimate; Fugitive Emissions
FEBBS	Federal Electronic Bulletin Board System
FED	Final Environmental Document (EIS, EIR, ND or FONSI)
FEIN	Federal Employer Identification Number
FEIR	Final Environmental Impact Report (CEQA)
FEIS	Final Environmental Impact Statement (NEPA)
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FES	Flared end section
FF	Free Float / Finish to Finish
FFA	Future Farmers of America
FFGA	Full Funding Grant Agreements
FFP	Firm Fixed Price
FFS	Fee For Service health plan
FFY	Federal Fiscal Year (October 1 thru September 30)

F

F

FHLMC	Federal Home Loan Mortgage Corporation (Freddie Mac)	
FHPM	Federal Aid Highway Program Manual	
FHWA	Federal Highway Administration; administers Federal highway funds	
FICA	Federal Insurance Contributions Act	
FIF	Final Inspection Form	
FIP	Federal Implementation Plan	
FIPS	Federal Information Processing Standard (ITS)	F
FIR	Federal Indian Reservation	
FIRM	Federal Insurance Rate Maps (Flood Plains)	
F/L	Finance Letter	
FLHD	Federal Land Highway Division	
FLHP	Federal Lands Highway Program	
	Floodplain Risk and Location Hydraulic Study: Analyzes the potential for impacts that a project may have on increasing risk of flooding.	
FLSA	Fair Labor Standards Act	
FM	Function Manager	
FMC	Freeway Management Center (ITS)	
FMCS	Fleet Management and Control Systems	
FMCSA	Federal Motor Carrier Safety Administration	
FMIS	Federal Management Information System	
FMLA	Family and Medical Leave Act of 1993	
FMMP	Farmland Mapping and Monitoring Program	F
FMP	Fishery Management Plan; File Maker Pro	
FMS	Fleet Management Subsystem (ITS)	
FMU	Forest Management Unit	
FMVSS	Federal Motor Vehicle Safety Standards	
FNMA	Federal National Mortgage Association (Fanned Mae)	
FNM-76	Form to FMIS, auth. to proceed	
FO	Functionally Obsolete (bridge)	
FOE	Finding of Effect ; Friends Of the Earth	

FOI	Freedom of Information	
FOIA	Freedom Of Information Act	
FONSI	Finding of No Significant Impact (NEPA)	
FOT	Field Operational Test (ITS)	
FPIF	Fixed-Price-Incentive-Fee	
FPN	Federal Project Number (FADS)	
FPPA	Farmland Protection Policy Act (US – 1984)	F
FPPP	Facility Pollution Prevention Plans	
FPR	Final Program Review	
FR	Federal Register	
FRA	Federal Railroad Administration	
FRIS	Final Relocation Assistance Statement	
FRM	Federal Reference Method, Final Rule Making	
FRO	Federal Resources Office	
FSOR	Final Statement of Reasons	
FS	Finish-to-Start	
FSA	Flexible Spending Account health plan	F
FSP	Freeway Service Patrol	
FSR	Feasibility Study Report; Financial Study Report	
FSTIP	Federal Statewide Transportation Improvement Program. Prepared by CT per ISTEA, includes all highway and transit projects funded under Title 23 and Federal Transit Act. It is the global funding document incorp. Programming for MPO TIPs, State STIP, SHOPP and local rural Federal aid work.	
FTA	Federal Transit Administration; administers Federal transit funds, alloc. dir to local agencies. Urban Mass Transportation Act of 1964	
FTB	Franchise Tax Board	
FTE	Focused Training Evaluation Full-time Employee	
FTIP	Federal Transportation Improvement Program; 3-year list of transportation projects within the planning area of one of the (15 or 16) MPO's. Short range version of RTP. Projects are drawn from the STIP and SHOPP.	

FTP	File Transfer Protocol, Federal Test Procedures
FU	Functional Unit
FVMSS	Federal Motor Vehicle Safety Standards
FWD	Falling Weight Deflectometer
FWPCA	Federal Water Pollution Control Act
FWS	Fish & Wildlife Service (US)
FY	Fiscal Year

F

GAAP	Generally Accepted Accounting Principles
GAO	General Accounting Office
GAR	Governor's Action Request
GARVEE	Grant Anticipation Revenue Vehicle bonds
GDP	Gross Domestic Product
GE	Gravel equivalent
GEP	Good Engineering Practice

G

GERT	Graphical Evaluation and Review Technique
Gf	Gravel Factor
GFE	Good Faith Effort
GHSR	Governor's Highway Safety Representative

G

GIS	Geographic Information Systems
GNMA	Government National Mortgage Association (Ginnie Mae)
GOGO	Government-Owned/ Government-Operated
GPS	Global Positioning System
GRAS	Generally Recognized as Safe
GR	Guard Rail
GRH	Guaranteed Ride Home
GSA	General Services Admin.
GUI	Graphical User Interface
GVW	Gross Vehicle Weight
GVWR	Gross Vehicle Weight Rating

G

HA	Health Advisory	H
H&T	Hub and Tack	
HABR	Historic American Building Record	
HABS	Historic American Buildings Survey	
HAER	Historic American Engineering Record	
HAP	Hazardous Air Pollutant	
HAPPS	Hazardous Air Pollution Prioritization System	
HAR	Highway Advisory Radio	
HASR	Historic Architecture Survey Report; Evaluation of historic structures in the project study area	
HAZMAT	Hazardous Materials	
HAZOPS	Hazardous Operations	
HB&M	Humbolt Base and Meridian	H
HBO	Health Benefits Office	
HBRR	Highway Bridge Rehab. & Replacement (Fed program)	
HCM	Highway Capacity Manual (Transportation Research Bd.)	
HCP	Habitat Conservation Plan	
HCS	Hazard Communication Standard	
HDD	Horizontal Directional Drilling	
HDM	Caltrans Highway Design Manual	
HDPE	High Density Polyethylene	
HEEP	Health and Environmental Effects Profile	
HEPA	Highly Efficient Particulate Air (Filter)	
HES	Hazard Elimination System program (Fed)	
HFC	Hydrofluorocarbon	H
HHS	U.S. Department of Health and Human Services	
HI	Height of Instrument (surveying)	
HIC	Highway Interchange Center	
HMA	Hot Mix Asphalt	

HMO	Health Maintenance Organization	
HMP	Hydromodification Management Plan (to control post-development peak stormwater runoff discharge rates and duration)	
HMS	Highway Maintenance System	
HMTA	Hazardous Materials Transportation Act	
HMWM	High Molecular Weight Methacrylate (deck crack mitigation)	
HOV	High Occupancy Vehicle (2 and in some cases 3 or more per car.)	
HP	Horse Power	
HPC	High Performance Concrete	
HPMS	Highway Performance Monitoring System	H
HP&R	Highway Planning and Research	
HPS	High Performance Steel	
HPSR	Historic Properties Survey Report ; Summarizes findings of HRER, ASR and HASR	
HR	Human Resource	
HRAC	Hot Recycled AC	
HRER	Historic Resource Evaluation Report ; Evaluation of historic significance of certain man made features (canals) in the project study area	H
HRI	Highway Rail Intersection	
HRIS	Highway Research Information Service, Human Resources Information System	
HSDB	Hazardous Substance Data Base	
HSIS	Highway Safety Information System	
HSNS	Highway System of National Significance	
HSP	Highway Safety Plan	
HSPF	Heating Season Performance Factor	
HSOPP	Highway Systems Operations & Protection Plan	
HSR	High Speed Rail, Historic Survey Report	
HSRI	Highway Safety Research Institute	
HTF	Highway Trust Fund	
HTIMS	Highway Technology Information Management System	
HTML	Hypertext Markup Language	

HTTP	Hypertext Transport Protocol	
HUD	Housing & Urban Development; Head Up Display (ITS)	
	Hydrology and Water Quality Study: Analyzes the increase in storm water runoff likely to occur and the potential impacts on water quality a project may have.	
HVAC	Heating, Ventilation, and Air-Conditioning system	H
IAST	Independent Assurance Sampling and Testing	I
ICES	Inter-modal Corridors of Economic Significance	
IBRC	Innovative Bridge Research and Construction program (FHWA – TEA-21)	
IBTC	International Border Trade Corridor	
I/D	Incentive/Disincentive	
IDL	Interface Definition Language (ITS)	
IDP	Individual Development Plan	
IEEE	The Institute of Electrical and Electronic Engineers	
IEN	Information Exchange Network (ITS)	I
IFB	Invitation for Bid	
IGR	Inter Government Review	
I/I	Infiltration and Inflow	
IIP	Inter-regional Improvement Program	
ILD	Inductive Loop Detector	
IMMS	Integrated Maintenance Management System	
IMPC	Integrated Plant Management and Control	
IMPROVE	Interagency Monitoring of PROtected Environments	
IMS	Intermodal Facilities and Systems Management System	
ILV/hr	Intersecting Lane Vehicles per hour	
IP	Internet Protocol, Implementation Package	I
IPA	The Information Practices Act places specific requirements on State agencies in the collection, use, maintenance, and dissemination of information relating to individuals.	
IPG	Interagency Planning Group	
IRIS	Integrated Risk Information System	

IRP	Interregional Partnership (STANCOG)	
IRR	Intercity Rail; Indian Reservation Roads	
IRRS	Interregional Route System	
	Interregional Road System Plan	
IRS	Internal Revenue Service	
IS	Information Services, Initial Study	
ISA	Initial Site Assessment; Evaluates potential for encountering hazardous materials in the project study area.	
ISC	Indirect Source Control	I
ISEA	International Safety Equipment Assoc.	
ISO	International Standards Organization http://www.iso.ch/iso/en/ISOOnline.frontpage	
ISP	Information Service Provider	
ISSC	Information Systems Service Center	
ISTEA	Intermodal Surface Transportation Efficiency Act	
IT	Information Technology	
ITA	Intertribal Transportation Association	
ITE	Institute of Transportation Engineers	I
ITS America	Intelligent Transportation Society of America http://www.itsa.org/	
ITSP	Interregional Transportation Strategic Plan	
ITI	Intelligent Transportation Infrastructure	
ITII	International Technical Information Institute	
ITIP	Interregional Transportation Improvement Program; Portion of STIP that includes Caltrans selected projects (25% of fund)	
ITMS	Integrated Traffic Management System or Intermodal Transportation Management System	
ITS	Intelligent Transportation Systems or Institute of Transportation Studies (UC Berkeley)	
ITSP	Interregional Transportation Strategic Plan	
IUOE	International Union of Operating Engineers	
IVHS	Intelligent Vehicle-Highway Systems (now ITS)	
IVI	Intelligent Vehicle Initiative	

IVIS	In Vehicle Information System (ITS)	I
JB	Junction Box	J
JCL	Job Control Language	
JCP	Jointed Concrete Pavement	
JP	joint pole	
JPA	Joint Powers Agreement	
JPCP	Jointed Plain Concrete Pavement	
JRCP	Jointed Reinforced Concrete	
JS	junction structure	
JUA	?	J
KBES	Knowledge Based Expert System (Symbolic reasoning & Heuristics)	K
KISS	Keep It Simple, Stupid (not CT)	
LA	Local Agency	L
LAAPS	Local Agency Automated Pay System	
LACMTA	Los Angeles County Metropolitan Transportation Authority	
LACTC	Los Angeles County Transportation Commission	
LAFCO	Local Agency Formation Commission	
LAMBRA	Local Agency Military Base Recovery Area	
LAN	Local Area Network	
LAP	Local Assistance Program	
LAPG	Local Assistance Program Guidelines	
LAPM	Local Assistance Procedures Manual	
LARTS	Los Angeles Regional Transportation Study	
LASC	Landscape Architecture Standards Committee	
LCA	Least Cost Alternate	
LCB	Lean Concrete Base	

LCC	Local Coastal Commission, League of California Cities, Life Cycle Cost	
LCCA	Life Cycle Cost Analysis	L
LCD	Liquid Crystal Display	
LCO	Labor Compliance Officer	
LCP	Local Coastal Plan	
LCS	Lane Control Sign	
LDAP	Lightweight Directory Access Protocol	
LDPE	Low Density Polyethylene	
LDS	Labor Distribution System	
LEAD	Local Equivalent Area Drainage method	
LED	Light Emitting Diode	
LEDPA	Least Environmentally Damaging Practicable Alternative	
LEL	Lowest Explosive Level	
LEM	Location Efficient Mortgage (see TOD)	L
LEO	Low-Earth Orbit Satellite System	
LESS	Least Cost Estimating & Scheduling System	
LF	Late Finish; Linear Foot	
LIBOR	London InterBank Offered Rate	
LIM	Land Inventory and Monitoring system (SCS)	L
LIP	Local Intersection Program	
LJAC	Local Jurisdiction Advisory Committee	
LOE	Level of Effort	
LOL	Layout Line	
LOP	Letter of Permission	
LOS	Level of Service (A=freeflow, F=gridlock)	
LPA	Local Programs Accounting	
LPAMS	Local Programs Accounting Management System: provides appropriation management and tracks expenditures for local assistance projects. Extracts data from CTIPS allowing LP2000 to process allocations.	
LPG	Liquid Petroleum Gas	

LPP **Local Programs Procedures**

LPP#	Local Programs Procedure #
LRDC	Labor Relations Decision Council
LRFD	Load & Resistant Factor Design
LRH	Last Resort Housing
LRMS	Location Reference Messaging Standard (ITS)
LROP	Long Range Operations Plan
LRT	Light Rail Transit
LS	Lump sum, Late Start, Land Surveyor
LSUM	Linear Synchronous Unipolar Motor
LT	Limited Term
L&T	Lead and Tack (surveying)
LTAP	Local Technical Assistance Program
LTC	Local Transportation Commission
LTEC	Least Total Expected Cost to the public design
LTF	Local Transportation Fund; receives TDA revenues = 0.25% sales tax for transit, bike & pedestrian
LTMA	Lightweight Truck Mounted Attenuator
LTPP	Long-Term Pavement Performance
LTS	Lime Treated sub-Base
LUICE	Land use Inventory Contingency and Edit
LUST	Leaking Underground Storage Tank
LVDT	Linear Variable Differential Transformers
LVR	Low Volume Road

L

L

L

MA	Master Agreement; or Minimum Allocation funds
MACT	Maximum Achievable Control Technology
MADT	Monthly average daily
MAGLEV	Magnetic Levitation Transportation Technology Deployment Programs
MAIT	Multidisciplinary Accident Investigation Team

M

MAN	Metropolitan Area Network (ITS)	
MAP	Million Annual Passengers, Multiple Alternative Planning	
MATES	Materials and Technology Engineering and Science	
MB	Metal Beam, Megabytes	
MBB	Metal Beam Barrier	
MBE	Minority Business Enterprise	
MBGR	Median Barrier Guard Rail	M
MBO	Management by Objectives	
MC	Medium curing	
MCAG	Merced County Assoc. of Governments	
MCD	Minor Civil Division	
MCE	Maximum Credible Earthquake	
MCEDC	Merced City Economic Development Corp.	
MCFC	Molten Carbonate Fuel Cell	
MCL	Maximum Contaminant Level	
MCLG	maximum contaminant level goal (water qual)	
MCM	Minimum Control Measures (water qual)	
MCP	Municipal Compliance Plan	
MCSAP	Motor Carrier Safety Assistance Program	M
MDB&M	Mt. Diablo Base and Meridian (surveying)	
MDI	Model Deployment Initiative (ITS)	
MEA	Master Environmental Assessment	
MEP	Minority Engineering Programs, Maximum Extent Practicable (water qual)	
MERS	Maintenance Employees' Reporting System	
MESO	Maintenance Employee Safety Orientation	
META	Maintenance Equipment Training Academy	
METS	Materials Engineering and Testing Services	
MG	Minimum Guarantee funds	
MID	Modesto Irrigation District	
MIME	Multipurpose Internet Mail Extension	

Minor Project- Less than \$750,000, not STIP or SHOPP. In California, minor capital outlay consists of construction projects or equipment acquired to complete a construction project estimated to cost less than \$750,000. The California Transportation Commission allocates a fiscal year level for this category with specific project allocation approval delegated to the Department. Minor is further segregated into two categories: Minor A - Minor construction projects with an estimated contract value between \$117K - \$750K. Minor B - Minor construction projects with an estimated value less than \$117,000.

MIS	Management Information Systems, Major Investment Study	
MITMT	Major Incident Traffic Management Team	
MLRA	Major Land Resources Area	
MMI	Man-Machine Interface (ITS)	
MMSI	Maintenance Management System Improvement	
MOA	Memorandum of Agreement	M
MODEM	Modulator/Demodulator (Convert binary to analog signal for phone)	
MOE	Measure of Effectiveness	
MOS	Metal-Oxide Semiconductor, MOS - margin of safety	
MOST	Methodology for Optimizing Signal Timing	
MOU	Memorandum of understanding	
MPGR	Metal Plate Guard Railing	
MPO	Metropolitan Planning Organization	
MPU	Microprocessing Unit	
MSA	Merit Salary Adjustment MSA Metropolitan Statistical Area	
	Management System Activities, a two digit code for levels 5,6 or 7 in WBS, also on TRS	
	Medical Savings Account health plan	
MS-DOS	MicroSoft-Disk Operating System	M
MSDS	Manufacturers Safety Data Sheet	
MS4	Municipal Separate Storm Sewer System	
MSL	Maintenance Service Level, Mean Sea Level	
MSW	Municipal Solid Waste	
MT	Mass Transit	
MTA	Mass Transit Account	
MTC	Metropolitan Transportation Commission (Bay Area)	
MTDB	Metropolitan Transit Development Board (San Diego)	

MTMC	Military Traffic Management Command	
MTP	Mass Transportation Program, Metropolitan Transportation Plan	
MUTCD	Manual of Uniform Traffic Control Devices	
MVMA	Motor Vehicle Manufacturers Association	
MWBE	Minority Women-owned Business Enterprise	M
NA	National Architecture (ITS)	N
NAA	Nonattainment Area	
NAAQS	National Ambient Air Quality Standards	
NACE	National Association of Corrosion Engineers, National Association of County Engineers	
NACG	National Association of County Governments	
NACO	National Association of Counties	
NAD	North American Datum (surveying)	
NAE	no adverse effect, National Academy of Engineering	
NAER	National Architectural and Engineering Record	
NAFTA	North American Free Trade Agreement	N
NAGPRA	Native American Graves Protection & Repatriation Act of 1990	
NAHC	Native American Heritage Commission	
NAHSC	National Automated Highway System Consortium	
NALEO	National Association of Latino Elected and Appointed Officials	
NAMS	National Air Monitoring Stations	N
NAP	Non-attainment Area Plan	
NAPA	National Academy for Public Assistance, National Asphalt Paving Association, National Automobile Parts Association	
NAPCA	National Air Pollution Control Administration	
NAR	National Architecture Review (ITS)	
NARD	Numerical Analysis of Roadside Design	
NARSTO	North American Research Strategy for Tropospheric Ozone	
NAS	National Academy of Sciences	

NASA	National Aeronautics and Space Administration	
NASR	Negative Archaeological Survey Report	
NASS	National Accident Sampling System	
NATTTC	National Association of Transportation Technology Transfer Centers	
NAV	Navigation	
NAWCA	North American Wetlands Conservation Act	
NB	Northbound	
NBI	National Bridge Inventory	N
NBIS	National Bridge Inspection Standards, National Bridge Inventory System	
NBS	National Bureau of Standards	
NBSSR	Noise Barrier Scope Study (or Summary) Report for sound wall projects	
NCAC	National Crash Analysis Center	
NCAPA	Northern California Asphalt Producers Assoc.	
NCAT	National Center for Asphalt Technology	
NCCER	National Council for Civil Engineering Research	
NCEER	National Center for Earthquake Engineering Research	
NCHRP	National Cooperative Highway Research Program	
NCSL	National Conference of State Legislatures	
ND	Negative Declaration, None Detected (water qual)	
NDAA	Natural Disaster Assistance Act	
NDI	Non-Industrial Disability Insurance	N
NDSP	National Dam Safety Program	
NDT	Non-Destructive Testing	
NE	no effect	
NEAR	National Emergency Aid Radio	
NEDS	National Emissions Data System	
NEEP	National Experimental and Evaluation Program	
NEIS	National Environmental Information Service	
NEMA	National Electrical Manufacturers Association	
NEPA	National Environmental Policy Act (1969)- all Fed. funded projects require Fed. review	

NES/BA	Natural Environmental Survey / Biological Assessment; Evaluation of native species and habitat found in project study area.
NESHAP	National Emission Standards for Hazardous Air Pollutants
NET	National Emissions Trends Inventory
NFIP	National Flood Insurance Program
NFPA	National Fire Prevention Association
NGS	National Geodetic Survey
NGVD	National Geodetic Vertical Datum
NHI	National Highway Institute
NHPA	National Historic Preservation Act, Federal, 1966, esp. section 106 See also State Public Resources Code Sections 5024 and 5024.5
NHPN	National Highway Planning Network
NHS	National Highway System
NHSB	National Highway Safety Bureau
NHTSA	National Highway Traffic Safety Administration
NIA	National ITS Architecture
NICET	National Institute for Certification in Engineering Technologies
NIH	National Institutes of Health
NII	National Information Infrastructure (ITS)
NIMBY	Not In My Back Yard
NIOSH	National Institute for Occupational Safety and Health
NIPC	National Infrastructure Protection Center (FBI)
NIST	National Institute of Standards and Technology
NLAA	Not Likely to Adversely Effect
NLT COB	No Later Than Close Of Business
NMCSP	National Motor Carrier Safety Program
NMFS	National Marine Fisheries Service
NMSL	National Maximum Speed Limit
NO	Nitric Oxide
NOA	Naturally Occurring Asbestos; Notice of Arrival

N

N

N

NOAA	National Oceanic and Atmospheric Administration
NOAEL	no-observed-adverse-effect level
NOEL	No Observable Effect Level
NOC	Notice of Construction
NOCC	Notice of Construction Completion
NOD	Notice of Determination (CEQA – project approval)
NOI	Notice of Intent (NEPA process, notice placed in Federal Register advising public that EIS will be prepared for a project)
NOP	Notice of Preparation (CEQA – notice that EIS will be prepared)
NOPR	Notice Of Proposed Rulemaking
NOS	National Oceanic Survey
n.o.s.	not otherwise specified
NOT	Notice of Termination
N2O	Nitrous Oxide
NOx	Nitrogen Oxides
NORM	Naturally Occurring Radioactive Material
NPDES	National Pollutant Discharge Elimination System (<u>rev.</u> thanks to Mary MacGillivray, District 7 Office of Project Studies)
NPHQ	National Partnership for Highway Quality
NPRM	Notice of Proposed Rule Making
NPS	National Park Service Nonpoint Source
NRC	National Research Council
NRCS	Natural Resources Conservation Service, formerly SCS
NRCP	Non Reinforced Concrete Pipe
NRDC	Natural Resources Defense Council
NRHP	National Register of Historic Places
NRI	National Resources Inventory
NS	Non-Regulatory Supplement
NSF	National Science Foundation
NSIS	National Safety Information Systems
NSPE	National Society of Professional Engineers

N

N

NTCIP	National Transportation Communications for ITS Protocol	
NTI	National Transit Institute National Toxics Inventory	N
NTIS	National Technical Information Service	
NTN	National Truck Network	
NTP	Notice To Proceed, National Transportation Policy, National Toxicology Program	
NTPAW	National Transportation Public Affairs Workshop	
NTR	New Technology and Research	
NTSB	National Transportation Safety Board	
NTU	Nephelometric Turbidity Units	
NURP	Nationwide Urban Runoff Program	
NWI	National Wetland Inventory	
NWP	Nation Wide Permit (Section 404)	N
OA	Obligation Authority (Federal, \$/year)	O
OAQPS	Office of Air Quality Planning and Standards, U.S. EPA	
OBM	Office of Business Management	
OBS	Organization Breakdown Structure	
OBRA90	Omnibus Budget Reconciliation Act of 1990	
OC	Overcrossing	
OCTA	Orange County Transportation Authority	
O&D survey	Origin and Destination	
O&M	Operation and Maintenance	
OE	Office Engineer, Operating Expense	
OEA	Office of External Audits, Office of Energy Assessments, Office of Environmental Analysis	
OECA	Office of Enforcement and Compliance Assurance (U.S. EPA)	
OEM	Original Equipment Manufacturer	O
OES	Office of Emergency Services	
OFCCP	Office of Federal Contract Compliance Programs	
OGAC	Open Graded Asphalt Concrete	

OGAC(R)	Open Graded Asphalt Concrete (Rubberized)
OH	Overhead
OHP	Office of Historic Preservation (Cal.)
OHWM	Ordinary High Water Mark
OIG	Office of the Inspector General
OIP	Order of Immediate Possession
OJT/SS	On the Job Training/Supportive Services
OLP	Office of Local Programs, @ HQ; admin of Fed. Aid & Local Assist. Now DOLA
OMB	Office of Management and Budget
OPEC	Organization of Petroleum Exporting Countries
OPO	Office of Personnel Operations
OPPD	Office of Project Planning and Design
OPPTS	Office of Prevention, Pesticides, and Toxic Substances (U.S. EPA)
OPR	Office of Planning and Research (governor's)
ORC	Organizational Review Committee
ORCP	Oval Reinforced Concrete Pipe
OSC	Office of Structure Construction
OSHA	Occupational Safety and Health Administration (U.S.)
OSI	Open Systems Interconnection (ITS)
OSM&I	Office of Structures and Maintenance Inspection
O ₃	Ozone
OST	Office of the Secretary of Transportation; Out of State Travel
OT	Overtime
OTI	Office of Traffic Improvement
OTP	Operational Test Plan (ITS)
OTS	Office of Traffic Safety
OWM	Office of Wastewater Management (EPA)
OWP	Overall Work Plan or Program

O

O

P2	Pollution Prevention	P
P3	Primavera Project Planner (software)	
P4	Pollution Prevention Permitting Project	
P&P	Policy and Procedure Directive	
P&R	Park-and-Ride	
PABS	Programming and Budgeting System	
PAC	Policy Advisory Committee	
PACT	Program Accountability in Caltrans	
PADP	Ports Access Demonstration Project	
PA&ED	Project Approval & Environmental Document	
PAMS	Photochemical Assessment Monitoring Stations	
PA/SI	Preliminary Assessment / Site Investigation	
PAP	Perforated aluminum pipe	
PAQSD	Primary Air Quality Standards	P
PAR	Personnel Action Request, Project Authorization Request, Project Approval Report	
PASSER II	Progression Analysis and Signal System Evaluation Routine	
PATH	Partners for Advanced Transportation and Highways	
PAYT	Pay As You Throw	
PB	Paint binder; Pull Box	
Pb	Lead	
PBA	Performance Based Asphalt	
PBDEs	polybrominated diphenyl ethers (see BFRs)	P
PBMS	Performance Based Measurements Systems	
PBO	Programmatic Biological Opinion	
PBX	Private Branch Exchange	
PC	Program Coordinator; Prime Coat; Party Chief; Personal Computer	
PCA	Portland Cement Association	
PCBs	Polychlorinated Biphenyls	
PCC	Point of compound curvature; Portland Cement Concrete	

PCCP	Portland Cement Concrete Pavement,	Prestressed Concrete Cylinder Pipe
PCE	Programmatic Categorical Exclusion (NEPA), Perchloroethylene	
PCEPH	Passenger Car Equivalents Per Hour	
PCI	Paint Condition Index	
PCi/L	Pico Curies per Lite (water qual., radioactivity)	
PCP	Primary Care Physician	
PCS	Personal Communications System	
PCSD	President's Council on Sustainable Development	
PCR	Project Change Request	
PCS	Project Control Survey; Permit Compliance System	
PCVC	Point of compound vertical curve	
PD	Project Development	
PDA	Personal Digital Assistant	P
PDF	Portable Document Format - Adobe Acrobat version	
PDM	Probabilistic Dilution Model ;	Precedence Diagramming Method
PDO	Property Damage Only	
PDPM	Project Development Procedures Manual	
PDRC	Pavement Design and Rehabilitation Committee	
PDS	Project Development Support	
PDT	Project Development Team	
PE	Preliminary Engineering,	Polyethylene, Professional Engineer, Project Engineer
PEAR	Preliminary Environmental Assessment Report	P
PECG	Professional Engineers in California Government	
PEDP	Professional Engineer Development Program	
PEER	Permit Engineering Evaluation Report	
PERMIS	Personnel Employee Records for the Management Information System	
Permit 106	Review process for the National Historic Preservation Act	
Permit 1601	A streambed alteration agreement for U.S. Department of Fish & Game	
Permit 4(f)	Use of parkland Permit	

404 Permit issued by the U.S. Army Corps of Engineers

Permit 7 Pertains to the Endangered Species Act

PERS Public Employees Retirement System

PERT Project Evaluation and Review Technique

PES Preliminary Environmental Study

PET Project Estimating Tool

PF Planned Finish Date, Pay Factor

PFCs Perfluorinated Carbons

PG&E Pacific Gas and Electric

PHG Public Health Goal (water qual) set by CEPA

PHS U.S. Public Health Service

PIA Project ITS Architecture

P

PIAS Personal Information Access Subsystem (ITS)

PKm Post Kilometer

PLH Public Land Highway (Fed program)

PI Permanent Intermittent (Civil Service Appointment),
 preliminary investigation, Point of Intersection

PIC Private Industry Council

PID Project Initiation Document

PIER Post-Implementation Evaluation Report

PIN Personal Identification Number,
 Priority Index Number (for barrier rail replacement projects)

PIO Public Information Officer

PIP Payroll Input Process,
 Partnership for Integrated Planning (Mike Higgins)

PISA Project Information System & Analysis

P

PK Parker-Kalan Nail

P/L Property line

PLUM Projected Land Use Model

PM Project Manager; Post Mile; Preventive Maintenance; Particulate Matter

PMBOK	Project Management Body of Knowledge
PMCS	Project Management Control System
PMDW	Project Management Data Warehouse
PMI	Project Management Institute
PMP	Perforated Metal Pipe; Project Management Professional
PMPM	Project Management Procedures Manual
PMS	Pavement Management System; Parking Management System (ITS)
PMSU	Project Management Support Unit
PM-10	Particulate Matter 10 microns or smaller
PN	Paving Notch
PO	Purchase Order
POC	Pedestrian Overcrossing; Point on (horizontal) curve
POE	Port of Entry
POGO	Privately-Owned/ Government-Operated
POM	
POP	Post Office Protocol
POS	Point Of Service health plan
POT	Point on tangent
POVC	Point on vertical curve
P&P	Policy & Procedure
ppb	Parts Per Billion
PPC	Plastic Pipe Culvert
PPDG	Project Planning and Design Guide
PPE	personal protective equipment
PPIC	Public Policy Institute of California
PPM	Planning, Programming & Monitoring,
	Policy and Procedures Memorandum
ppm	Parts Per Million
PPNO	Planning and Programming Number
PPO	Preferred Provider Organization

P

P

PPT	Permanent-Part Time (Employee)
ppt	part per trillion
PR	Project Report
PRC	Point of Reversing Curve
Prop 116	State bicycle program
PRF	Pavement Reinforcing Fabric
PRISM	Performance and Registration Information System Management (not PRSM)
PR2/2A	Fed/State supplemental agreement and modification to agreement (being phased out)
PRS	Performance Related Specifications
PRSM	Project Resources and Schedule Management (not PRISM)
PRVC	point of reverse vertical curve
PS	Planned Start Date
PSA	Program Supplemental Agreement; Precursor System Architecture (ITS)
PSDP	Planning Staff Development Program
PS&E	Plans, Specs and Estimate
PSI	Preliminary Site Investigation; pounds per square inch Pollutant Standards Index
psig	Pressure Per Square Inch Gauge
PSM	Point Source Monitoring
PSP	Pedestrian Safety Program; perforated steel pipe
PSR	Project Study Report for STIP projects, preprogramming information.
PSS	Personnel Services Specialist
PSSR	Project Scoping Summary Report for SHOPP projects
PSTIP	Proposed State Transportation Improvement Program
PSTN	Public Switched Telephone Network
PTA	Public Transportation Account; the major State account for mass transportation
PTMS	Public Transportation Management System
PTS	Positive Train Separation (ITS)
PUC	Public Utilities Commission
PVC	Polyvinyl Chloride

P

P

PVEA	Petroleum Violation Escrow Account	
PY	Person – Year (1758-1800 hours)	
PYPSCAN	Person Year Project Scheduling & Cost Analysis	P
QAP	Quality Assurance Program, Qualification Appraisal Panel	Q
QA/QC	Quality Assurance/ Quality Control	
QBS	Qualification Based Selection	
QCRP	Quality Control Review Process	
QIP	Quality Improvement Plan	
QoS	Quality of Service	Q
RA	Reasonable Alternative; Regulatory Alternatives; Regulatory Analysis; Remedial Action; Resource Allocation; Risk Analysis; Risk Assessment	
RABA	Revenue Aligned Budget Authority, annual funding adjustment highway program to firewall level reflecting receipt estimates.	R
RAC	Rubberized Asphalt Concrete	
RACM	Reasonable Available Control Measures (air qual.)	
RAD	Rapid Application Development, Radiation Adsorbed Dose	
RAM	Responsibility Assignment Matrix	
RAO	Regional Administrative Officer	
RAP	Relocation Assistance Program or Payments; Reclaimed Asphalt Pavement	
RAPID	Rural Agency Project Implementation District	
RAQS	Regional Air Quality Strategy	
RAS	Regional Arterial System	R
RBS	Resource Breakdown Structure	
RCM	Reliability Centered Maintenance	
RCP	Reinforced Concrete Pipe	
RCR	Route Concept Report, part of planning process which provides a service concept	
RCRA	Resource Conservation and Recovery Act	

R&D	Remove & Dispose
RDO	Regular Day Off
RDP	Route Development Plan, part of planning process which provides alternatives
RDNA	Recombinant DNA
RDS	Radio Data Systems (ITS)
R&S	Remove & Salvage
RE	Resident Engineer
REMOVE	Reduced Motor Vehicle Emissions Program
REVISIT	RBS Evaluation, Verification, Integration & Support Improvement Team
RFA	Request for Authorization
RFB	Request for Bid
RFG	Reformulated Gasoline
RFP	Request for Proposal
RFQ	Request for Qualifications Request for Quotation
RFS	Richmond Field Station (UCB)
RIA	Regulatory Impact Analysis; Regional ITS Architecture
RICO	Racketeer Influenced and Corrupt Organizations Act
RIFA	Red Imported Fire Ant
RIP	Regional Improvement Plan
RLF	Red Legged Frog
RM	risk management
RMP	Regional Mobility Plan
RNA	Ribonucleic Acid
ROD	Record of Decision
ROE	Report of Expenditures
ROG	Reactive Organic Gases
RRC	Rural Residential Center
R/S	Resource / Schedule
RSP	Roadway Safety Program (ATSSA)
RSPA	Research and Special Programs Admin.

R

R

RSTP	Regional Surface Transportation Program	
RTIF	Regional Transportation Impact Fee	
RTIP	Regional Transportation Improvement Program , 75% of STIP funds. List of projects submitted to CTC by RTPAs for seven year horizon, updated every two years.	
RTL	Ready To List	
RTP	Regional Transportation Plan , Federally required 20-year plan by MPO's, updated every 3-years	
RTPA	Regional Transportation Planning Agency , State designated agency responsible for prep. of RTP & RTIP	
RTS	Remote Traveler Support Subsystem (ITS)	
RWQCB	Regional Water Quality Control Board	R
SAAMP	Special Area Aquatic Management Plan	S
SAB	Seismic Advisory Board	
SACOG	Sacramento Area Council of Governments	
SAE	Society of Automotive Engineers	
SAFEs	Service Authorities for Freeway Emergencies	
SAM	State Administrative Manual	
SAME	Society of American Military Engineers	
SAMI	Stress-Absorbing Membrane Interlayer	
SANBAG	San Bernardino Associated Governments	
SANDAG	San Diego Association of Governments	
SAP	Sampling and Analysis Plan	
SAVE	Society of American Value Engineers	S
SB	Senate Bill	
SBB&M	San Bernardino Base and Meridian (surveying)	
SB45	1997; State increased authority of RTPA's , etc. Est. current STIP process; timely use	
SBS	Sick Building Syndrome	
SC	Slow Curing; Start Construction	

SCADA	Supervisory Control and Data Acquisitions	
SCAG	Southern California Association of Governments	S
SCANDI	Surveillance Control and Driver Information System	
SCE	Southern California Edison	
SCEDCO	Stanislaus County Economic Development Corporation	
SCFM	Standard Cubic Feet Per Minute	
SCH	State Clearing House	
SCO	State Controllers Office	
SCOH	Standing Committee on Highways	
SCS	Soil Conservation Service (now NRCS)	
SCSP	Storm and Combined Sewer Program	
SD	Structurally Deficient (bridge), Standard Deviation	
SDO	Standards Development Organization	
SDP	Strategic Deployment Plan	
SDWA	Safe Drinking Water Act	
SEAC	Sulphur Extended Asphalt Concrete	
SEC	U.S. Securities and Exchange Commission	
SEP	Special Emphasis Program	S
	Special Experimental Project; (ex.: FHWA allowed states to evaluate the design-build method on an experimental basis through SEP-14.	
Section 4(f)	USDOT Act of 1966, Protects publicly owned parks, recreational areas, wildlife and water fowl refuges and properties eligible for National Register of Historic Places	
Section 7	Of Endangered Species Act of 1973, formal consultations	
Section 9	Prohibited Acts	
Section 10	Habitat Conservation Plans	
Section 106	(SHPO)	
Section 130	Railroad / Highway At-Grade Crossings Safety Program	
Section 404	of the 1977 Federal Clean Water Act	
SER	Standard Environmental Reference http://www.dot.ca.gov/ser/	
SF	Scheduled Finish Date / Start-to-Finish; Standard Form; Superfund	

SFOBB	San Francisco-Oakland Bay Bridge	S
SFP	Single Focal Point	
S&H Code	Streets & Highways Code – laws governing funding & development of projects	
SHA	State Highway Account ; Major account for highways (gas tax & weight fees) State Highway Agency	
SHBSB	State Historic Building Safety Board	
SHELL	Subsystem of Highways for the Movement of Extralegal Permit Loads	
SHOPP	State Highway Operation and Protection Program , four & ten-year capital improvement program for rehabilitation, safety, and operational improvements on state highways. Cannot increase roadway capacity. SB 1435-Kopp	
SHRP	State Highway Research Program	
SHS	State Highway System	
SHPO	State Historic Preservation Officer	
SHRC	State Historical Resources Commission	
SHWL	Seasonal High Water Level	
SI	International System of Units (The Modernized Metric System)	
SIB	State Infrastructure Bank	
SIC	Standard Industrial Classification, Standard Industry Code	
SIG	Special Interest Group	
SIGOP	Signal Optimization	
SIMS	Sign Inventory Management System	
SIP	State Implementation Plan; air qual. Required by Fed, CAA of 1970. In order to be eligible for Fed \$ projects must demonstrate conformity to SIP.	
SISA	Special In-grade Salary Adjustment	
SJCOG	San Joaquin Council of Government	S
SJHTC	San Joaquin Hills Transportation Corridor	
SJVAPCD	San Joaquin Valley Air Pollution Control District	
SLA	Structures Local Assistance , Simbionese Liberation Army (different people)	
SLAE	Structure Local Assistance Engineer	
SLAMS	State and Local Air Monitoring Stations	

SLIMS	?	
SLC	State Land Commission	S
SLD	Sea Level Datum	
SLIP	Serial Line Internet Protocol	
SLPDP	State and Local Project Development Program	
SLTC	Soluble Threshold Limit Concentration (Cal)	
SLTPP	State Local Transportation Partnership Program (State, discontinued)	
SMARA	Surface Mining and Reclamation Act	
SMBB	single metal beam barrier	
SMR	Specialized Mobile Radio	
SMS	Highway Safety Management System	
SMSA	Standard Metropolitan Statistical Area	S
SMTP	Simple Mail Transfer Protocol	
SNAP	Sonic Nap Alert Pattern (Penn. Turnpike type rumble strip)	
SNC	Significant Noncompliance	
SNMP	Simple Network Management Protocol (ITS)	
SO	Sulfur Dioxide	
SOAP	Signal Operations Analysis Package	
SOC	Synthetic Organic Chemicals	
SOF	State Only Funding	
SONET	Synchronous Optical Network (ITS)	
SOQ	Statement of Qualifications	
SOV	Single Occupancy Vehicle	
SOW	Statement of Work	
SO ₂	Sulfur Dioxide	S
SO _x	Sulfur Oxides	
SPE	Start Preliminary Engineering	
SPI	Schedule Performance Index	
SP&R	State Planning & Research	
SR2S	Safe Routes to School program (Fed) (est. by AB 1475, ext. by SB 10)	

SPB	State Personnel Board
SPMIT	Statewide Project Management Improvement Team
SPRR	Southern Pacific Railroad
SQL	Standard Query Language
SR	Sufficiency Rating (bridge) or State Route
SRF	State Revolving Fund
SROA	State Restriction of Appointments
SRP	Secondary Road Plans
SRT	Slotted Rail Terminal
S RTP	Short Range Transit Plans
SS	Scheduled Start Date / Start-to-Start
SSE	Separate State Estimate
SSA	Sole Source Aquifer
ssambn	such sums as may be necessary
SSN	Social Security Number
SSES	Sewer System Evaluation Survey
SSO	Sanitary Sewer Overflow
SSPP	Structural Steel Plate Pipe
SSPs	Standard Special Provisions
SSR	Standard Speed Rail
SSTAC	Social Service Transportation Advisory Council
STA	State Transit Assistance; State funding for mass transit oper. & cap. Imp., By law, STA must receive 50% of PTA revenues
STA	State Transportation Agency
STAA	Surface Transportation Assistance Act of 1982
STANCOG	Stanislaus Council of Governments
STAPPA	State And Territorial Air Pollution Program Administrators
STBB	Single Thrie Beam Barrier
STC	State Training Center
STD	Sate Transportation Department

S

S

STE	State Transportation Enhancement	
STEL	short-term exposure limit	
STIP	State Transportation Improvement Program , 4-year list of projects approved by CTC and is comb. list of ITIP (25%) & RTIP (75%) projs.	
STC	State Training Center	
STMF	Simple Transportation Management Framework (ITS)	
STMP	Simple Transportation Management Protocol (ITS)	
STP	Surface Transportation Program (Fed) (Formerly FAU or FAS) Study; Standard Temperature and Pressure	
STPP	Surface Transportation Policy Project	S
STPL	Surface Transportation Program (Local)	
STRAHNET	STRAtegic Highways NETwork	
STRUDL	Structural Design Language	
STURAA	Surface Transportation and Uniform Relocation Assistance Act (1987)	
SU	Source Unit	
SUDP	Specific Urban Development Plan	
SULEV	super ultra low emission vehicles	
Superpave	Superior PERforming asphalt PAVements	
SUSMP	Standard Urban Stormwater Mitigation Plan	
SV	Schedule Variance	
SW	Sidewalk Storm Water	
SWAG	Scientific Wild Assed Guess (not CT. We don't guess, we know)	
SWDR	Storm Water Data Report	
SWLF	Solid Waste Landfill	
SWMP	Storm Water Management Plan	
SWMU	Solid Waste Management Unit	
SWPPP	Storm Water Pollution Prevention Plan	
SWQAG	Storm Water Quality Assessment Guide	
SWRCB	State Water Resources Control Board	
SWTF	Storm Water Task Force	
SYSOP	Systems Operator	S

T2	Technology Transfer	T
TA	Technical Advisory	
TAC	Technical Advisory Committee	
TAC/ALC	Technical Advisory Committee for Agricultural Land Conservation	
TAG	Technical Advisory Group	
TAS	Toll Administration Subsystem	
TAR	Tribal Authority Rule	
TASAS	Traffic Accident Surveillance and Analysis System	
TAT	Tire Anchor Timber Wall	
TAU	Temporary Authorization Appointment	
TB	Top of Bank	T
TBB	Thrie beam barrier	
TBC	Top Back of Curb	
TC	Top of Curb	
TCA	Transportation Corridor Agency	
TCB	Traffic Control Box	
TCDD	Dioxin (Tetrachlorodibenzo-p-dioxin)	
TCDH	Traffic Control Devices Handbook	
TCE	Trichloroethylene	
TCI	Transit Capital Improvement program	
TCIP	Transit Communications Interface Profiles (ITS)	
TCLP	Toxicity Characteristic Leaching Procedure (Fed)	
TCM	Transportation Control Measure – to reduce pollution emissions.	
TCP	Traffic Control Plan	
TCP/IP	Transmission Control Protocol/Internet Protocol	T
TCR	Transportation Concept Report; Transportation Corridor Report	
TCRA	Traffic Congestion Relief Act (AB2928)	
TCRF	Traffic Congestion Relief Fund	

TCRP	Transportation Congestion Relief Program , Transit Cooperative Research Program	
TCS	Transportation Control Strategy, Traffic Controller Synchronizer, Traffic Control Systems, Transportation Corridor Study Toll Collection Subsystem	
T&D	Training and Development	
TDA	Transportation Development Act; State law, 1971, 0.25% sales tax for transit & bike	
TDD	Telecommunications Device for the Deaf	
TDIP	Technology Deployment Initiatives and Partnerships	T
TDM	Transportation Demand Management; Travel Demand Management	
TDMA	Time Division Multiple Access (ITS)	
TDP	Transportation Development Plan (Formerly RDP), Tons Per Day (air qual.)	
TDS	Total Dissolved Solids	
TE	Transportation Engineer	
T&E	Threatened and Endangered (species)	
TEA	Transportation Enhancement Act or Activities program (Fed)	
TEAM	Together Everybody Achieves More (not CT)	
TEC	Travel Expense Claim; Total Escalated Cost	
TEA-21	Transportation Equity Act for the 21st Century (Fed); 1998-2004	
TeNS	Technical Noise Supplement (http://env.dot.ca.gov/env/noise/index.htm)	
TERO	Tribal Employment Rights Office or Ordinances	
TF	Total Float / Target Finish Date	
THC	Total Hydrocarbons	
THM	Trihalomethanes	
TI	Traffic Index, = $9.0(ESAL/1,000,000)^{0.119}$; Temporary Intermittent	
TIC	Technical Information Center	
TID	Turlock Irrigation District	T
TIE	Toxicity Identification Evaluation	
TIES	Total Integrated Engineering System	
TIF	Transportation Investment Fund; Truck Inspection Facility	

TIFIA	Transportation Infrastructure Finance & Innovation Act
TIGER	Topologically Integrated Geographic Encoding Referencing System
TIP	Transportation Improvement Program
TIS	Travelers Information System
TISE	Take It Somewhere Else
TISP	The Infrastructure Security Partnership (Congress of Infrastructure Security for the Built Environment)
T&L	Time and Labor
TL	Transportation Laboratory
TLI	Terrain Line Interpolation
TLV	Threshold Limit Value
TMA	Transportation Management Assoc. or Area
TMC	Transportation Management Center; Traffic Management Center
TMCC	Truck-Mounted Crash Cushion
TMDD	Traffic Management Data Dictionary (ITS)
TMDL	Total Maximum Daily Load;Limit
TMIP	Travel Model Improvement Program
TMP	Transportation Management Plan
TMS	Traffic Management (or Monitoring) System or Subsystem, see TSM
TNT	Trinitrotoluene
TOC	Traffic Operations Center; Total Organic Carbon/ Compound, Section 4(f)
TOD	Transit Oriented Development
TOMIS	Traffic Operations Management Information Service
TON	Threshold of Odor Number (water qual)
TOPICS	Traffic Operations Program to Improve Capacity & Safety
TOPSS	Transportation Operations and Project Support System (New time system)
TOS	Traffic Operations System
TOT/MVM	Total Accidents Per Million Vehicle Miles
TP	Turning Point (surveying)
TPB	Treated Permeable Base

T

T

TPC	Technical Planning Committee
TP&D	Transportation Planning & Development account
TPL	Truck Passing Lane
TPM	Transportation Planning Manual
TQM	Total Quality Management
TRAMS	Transportation Accounting & Management System: developed to meet the Department's reporting needs and to respond effectively to the requirements placed on the Department as a result of the implementation of the California Fiscal Information System.
TRAQ	Transportation Air Quality Center
TRARR	Traffic on Rural Roads
TRB	Transportation Research Board (formerly Highway Research Board)
TRIP	The Road Information Program
TRIS	Transportation Research Information System (UCB), see C-TRIS
TRIS	Transportation Research Information System; Toxic Release Inventory System
TRMC	Transit Management Center
TRMS	Transit Management Subsystem
TRRL	Transportation Road Research Laboratory
TRS	Time Reporting System
TRSP	Traffic-Responsive Plan (Generation)
TRT	Technical Review Team
TRVS	Transit Vehicle Subsystem (ITS)
TSC	Transportation Systems Center
TSCA	Toxic Substances Control Act
TSDP	Transportation System Development Plan
TSDF	Treatment, Storage and Disposal Facilities
TSM	Transportation System Management program (State, discontinued) See TMS
TSO	Time-share operation
TSP	Total Suspended Particulates, Traffic Synchronization Projects
TSS	Total Suspended Solids
TSSS	Total Station Survey System
TTHM	Total Trihalomethane

T

TTL	Total Threshold Limit Concentration	
TTIA	Technology Transfer Improvements Act of 1995	T
TTN	Technology Transfer Network	
TTP	Technology Transfer Program (UCB)	
TTY	Teletype	
TUF date	Timely Utilization of Funding?	
TVA	Tennessee Valley Authority	
TVOC	Total Volatile Organic Compounds	
TWLTL	Two Way Left Turn Lane	T
UA	Urbanized Area	U
UAA	Use Attainability Analysis (water qual)	
UAM	Urban Airshed Model	
UAQI	Uniform Air Quality Index	
UART	Universal Asynchronous Transmitter Receivers (Computer Chip)	
UC	Undercrossing	
UCP	Unified Certification Program (DBE)	
UCS	Unconfined Compressive Strength	
UFAS	Uniform Federal Accessibility Standards	
UG	Underground	
UGB	Urban Growth Boundaries	
UITP	International Union of Public Transport	
ULEV	Ultra Low Emission Vehicles	
UMRA	Unfunded Mandates Reform Act	
UMTA	Urban Mass Transit Agency,Administration	
UNPARs	Unprogram Project Approval Requests	
UP	Underpass	
URISA	Urban and Regional Information Systems Association	
URL	Universal Resource Locator; Universal Reader Language	
UROAD	Urban Mass Transportation Agency	

USA	United States of America; Underground Service Alert	
USC	United States Code; Unified Soil Classification	
USC&GS	United States Coast and Geodetic Survey	U
USCE	United States Corps of Engineers (ARMY)	
USCG	United States Coast Guard	
USDA	U.S. Department of Agriculture	
USFS	U.S. Forest Service	
USFWS	United States Fish & Wildlife Service	
USGS	United States Geological Survey	
USM	Urban Simulation Model	U
USPLS	United States Public Land Surveys	
USPS	US Postal Service	
USR	User Service Requirement	
UST	Underground Storage Tank	
USTIP	Updated State Transportation Improvement Program	
USTR	United States Trade Representative	
UTC	Ultimate Transportation Corridor	
UTCS	Urban Traffic Control System	
UTPS	Urban Transportation Planning System	
UUA	use attainability analysis, (EPA, waterbody recreational use.)	
UV	Ultraviolet	
UZA	Urbanized Area	U
VA	Veterans Administration	V
VC	Vertical Curve	
V/C	Volume /Capacity ratio	
VCM	Vertical Control Monumentation	
VDT	Video Display Terminal	
VE	Value Engineering	
VECP	Value Engineering Change Proposal	

VELB	Valley Elderberry Longhorn Beetle (lives in stems \geq one inch)	
VEP	Value Engineering Proposal	
VFC	Vehicle Fuel Consumption	V
VGA	Virtual Graphics Array	
VHT	Vehicle-Hours of Travel	
VKT	Vehicle Kilometers Traveled	
VMS	Variable Message Sign	
VMT	Vehicle Miles Traveled, common measurement for driving demand	
VOC	Volatile Organic Compounds; Volume and Occupancy Control (Constant)	
VOS	Vehicle Operating Survey	
VRC	Vehicle/Roadside Communications (ITS)	V
WADS	Wide Area Detection Systems	W
WAN	Wide Area Network	
WASHTO	Western Association of State Highway & Transportation Officials	
WBE	Woman-owned Business Enterprise	
WBS	Work Breakdown Structure	
WC	Worker's Compensation	
WCC	Work Category Code	
WDT	Weight-Distance Tax	
WEN	Workload Estimating Norm	
WES	Waterways Experiment Station	
WET	Wetland Evaluation Technique	
WGRA	Western Governmental Research Association	
WHO	World Health Organization / United Nations	
WIB	Workforce Investment Board	
WPA	watershed protection approach	
WPCM	Water Pollution Control Manager	
WPCP	Water Pollution Control Program	
WQBEL	water quality-based effluent limit	

WQC	Water Quality Criteria	
WQI	Watershed Quality Index	W
WQS	water quality standard	
WS	White Stripe	
WSP	Welded Steel Pipe	
WSRA	Wild and Scenic Rivers Act	
WSPRO	Water Surface Profile	
WSTP	Wastewater Sewage Treatment Plant	
WWBE	White Women-owned Business Enterprise	
WWTP	Wastewater Treatment Plant	
WWW	World-Wide Web	
WYSIWYG	What you see is what you get	
WZS	Work Zone Safety	
WZTC	Work Zone Traffic Control	W
XPM	Expert Project Management	X
YARTS	Yosemite Area Regional Transportation System	Y
YATI	Yosemite Area Traveler Information	
YS	Yellow Stripe	
Y2K	The Year 2000 Computer Problem	
ZBB	Zero Based Budgeting: process requiring justification of every dollar (and man-year) of an organization's/program's proposed budget for the budget year. The assumed program level for the budget year is zero, thus intensive justification and critical review of all components is required before approval	Z
ZEV	Zero Emissions Vehicle	
ZRL	Zero Risk Level	

3C	Continuing, Cooperative and Comprehensive planning	#
3E	Education, Enforcement & Encouragement (SR2S)	
3R	Resurfacing, Restoration & Rehabilitation work	
4Rand Reconstruction	
404	ACOE permit for waterway dredging or filling	

Cites & Misc.:

4(f)	Section of USDOT Act of 1966, see sec. 4(f)
Title 6	Anti-Discrimination
13 CFR 121.402	DBE limit = \$16.6 million average over 3 years
23 CFR 172	See 40 USC 544, consultant selection
23 CFR 172.5	Pre-award audit
41 CFR I-9.1	Patent rights provision
48 CFR 31	Allowable elements of cost in consultant contracts
49 CFR 18	Admin. Procedures for audits
49 CFR 26	DBE participation
49 CFR 31	Federal cost eligibility
23 USC 120, 130, 152	Relates to highways
40 USC 541, 544	Brooks Bill, consultant selection
41 USC 403(11)	
49 USC Sec 5301; et seq	Federal transit laws
53 USC Secs. 5307, 5310, 5311, & 5336;	Grant applications & processing
Section 106 of the Historic Preservation Act	
Permit 4(f)	Use of parkland Permit
Permit 7	Pertains to the Endangered Species Act
401 permit	
404 permit	Issued by the U.S. Army Corps of Engineers. If over ½ acre of Waters of the U.S. are impacted, an individual permit is required. Otherwise Nationwide permit can be used.
Permit 1601	A streambed alteration agreement for U.S. Department of Fish & Game

Cal. Labor Code., Part 7, Secs. 1775, 1777.1, 1777.7 – DBE

Cal. Government Code, Chapter 10, secs. 4525 thru 4529.5; Most qualified consultant
@ fair & reasonable price.

California Coastal Act of 1976

California Endangered Species Act of 1985

California Fish & Game code 1601, streambed alteration

Federal Coastal Zone Management Act of 1972

Federal Executive Order 11988, Floodplain Management – 1977

Federal Executive Order 12898, Environmental Justice - 1994

Federal Endangered Species Act of 1973

Federal Wild and Scenic Rivers Act of 1976

OMB Circular A-110

Streets & Highways Code, Secs. 890-894 & 2330-2334

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